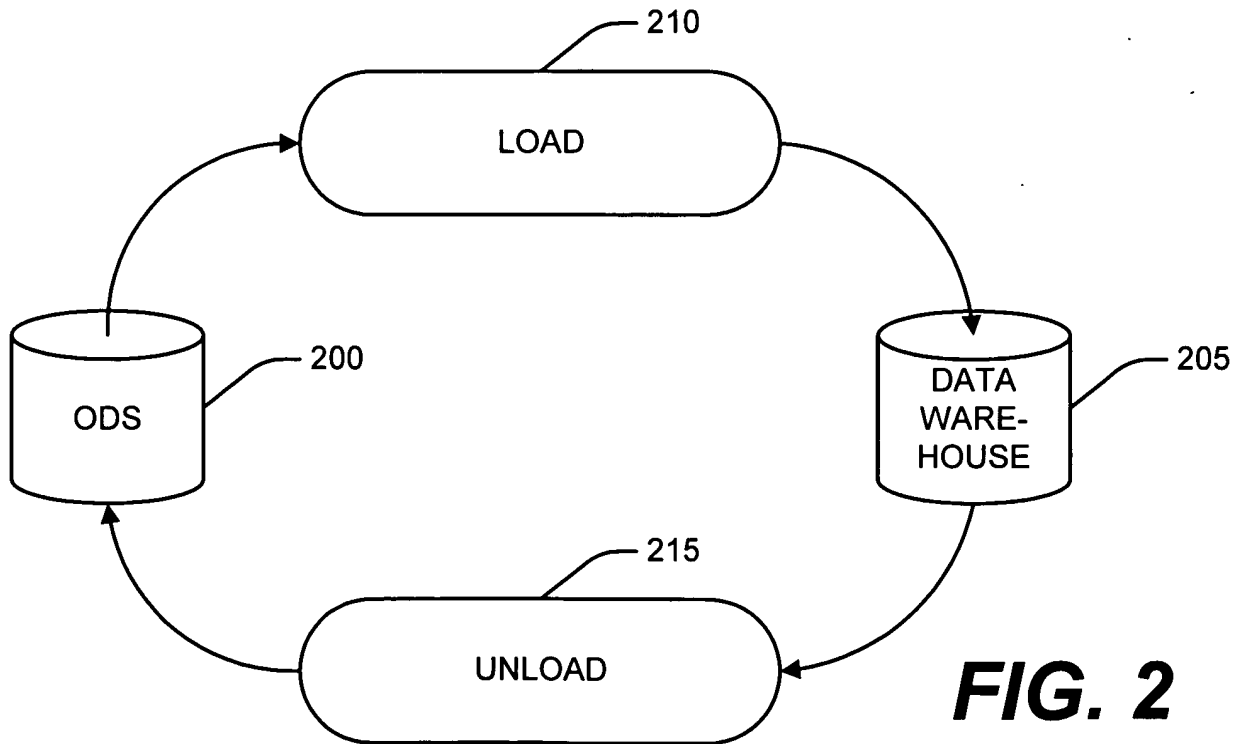
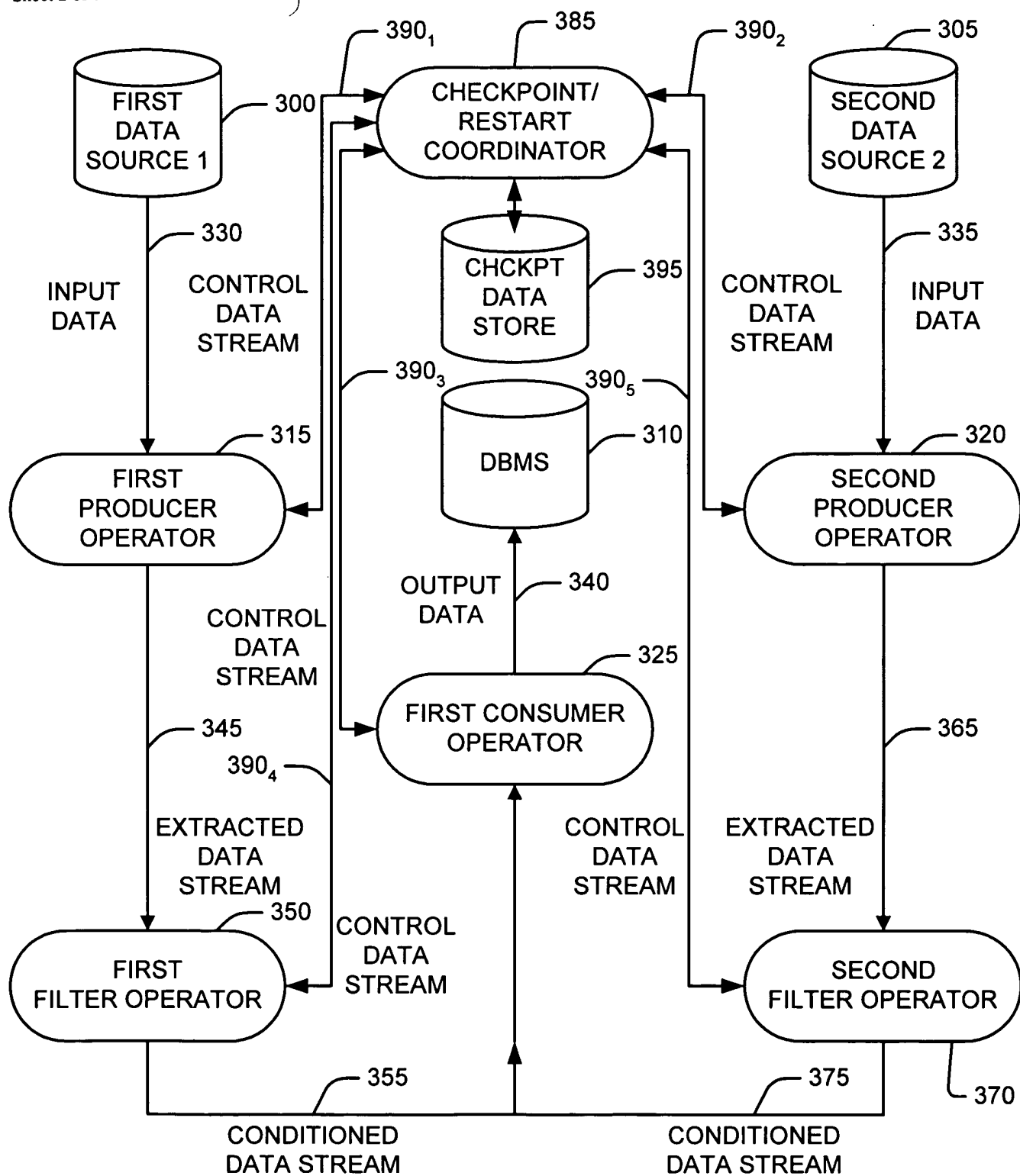


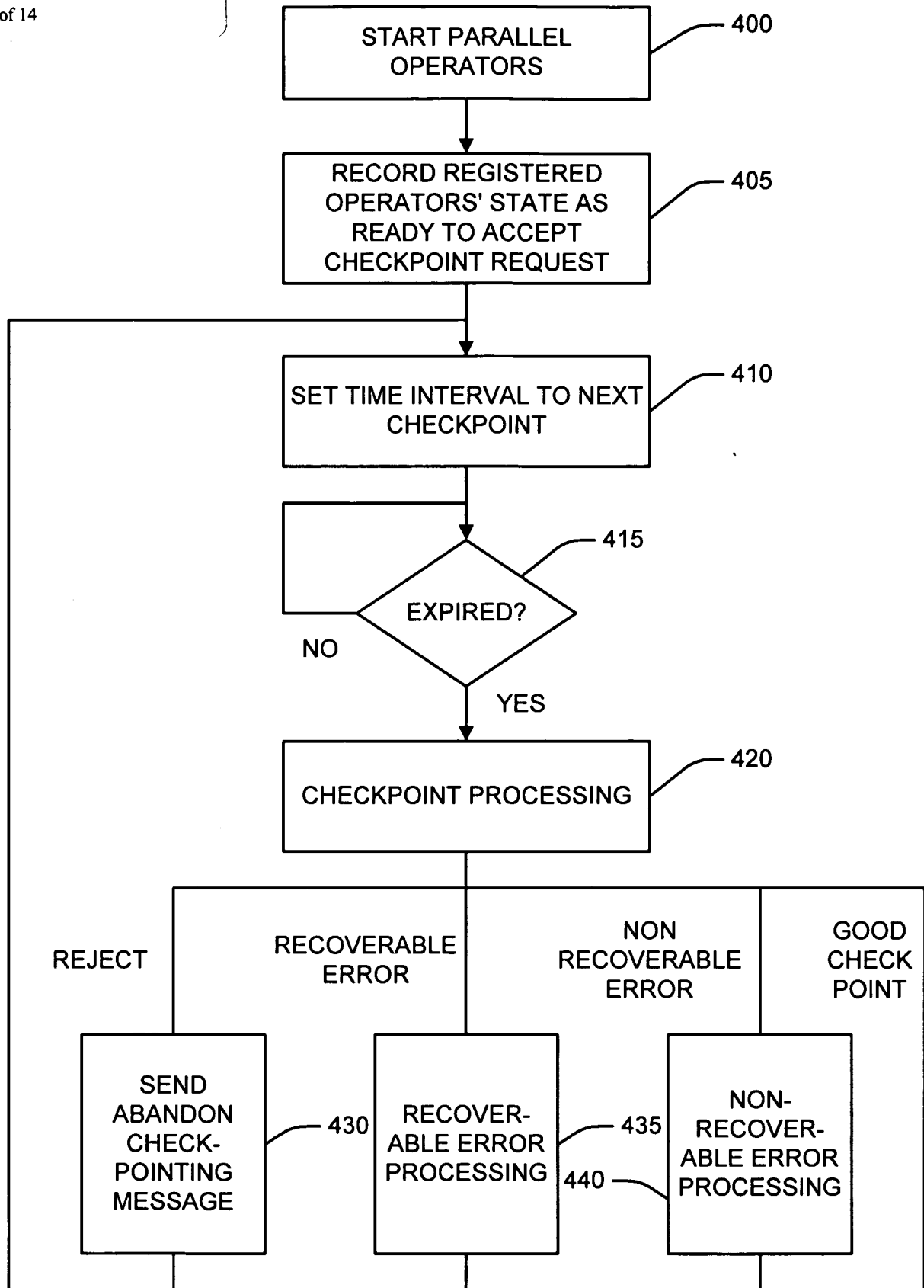
**FIG. 1**  
(PRIOR ART)



**FIG. 2**  
(PRIOR ART)

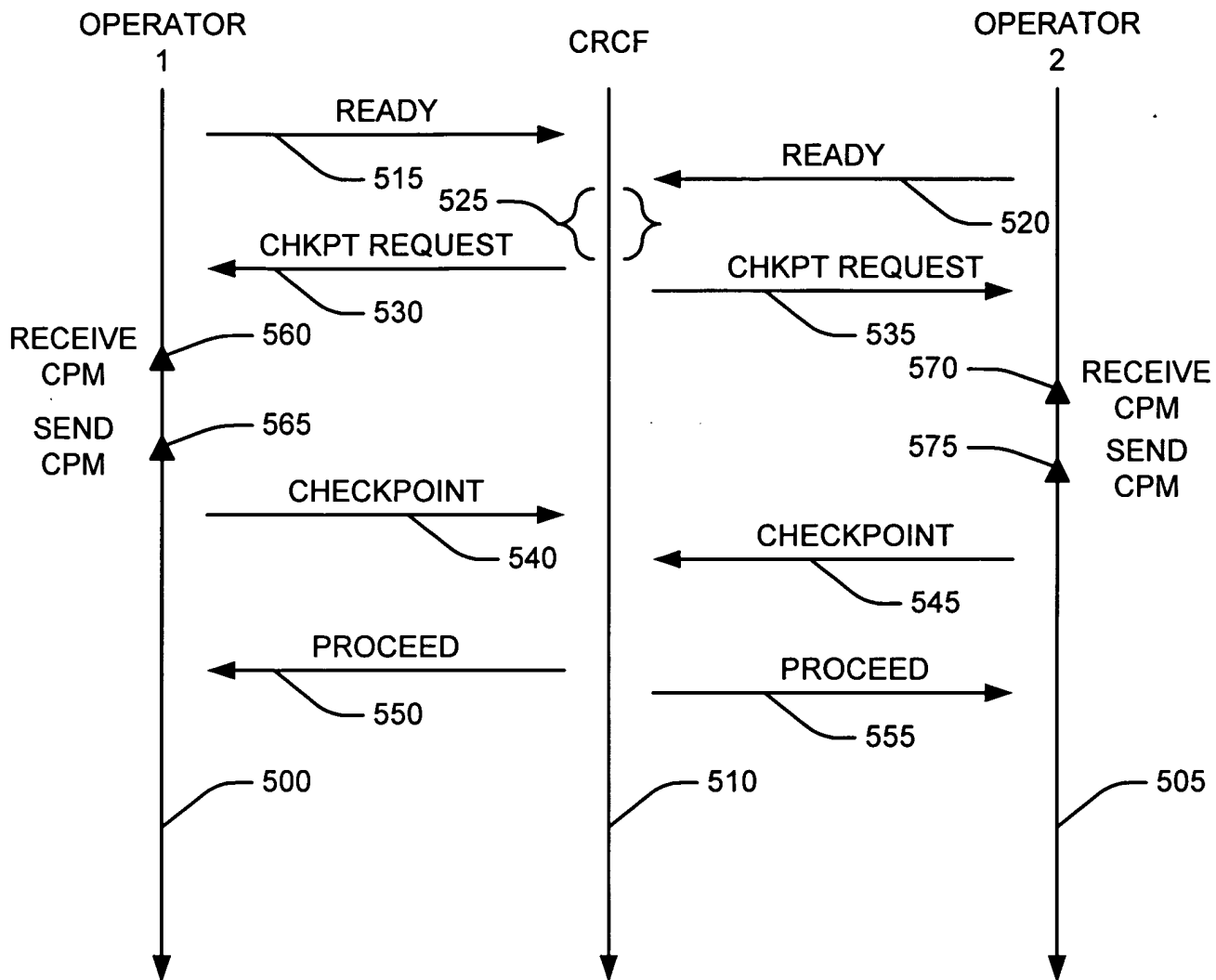


**FIG. 3**

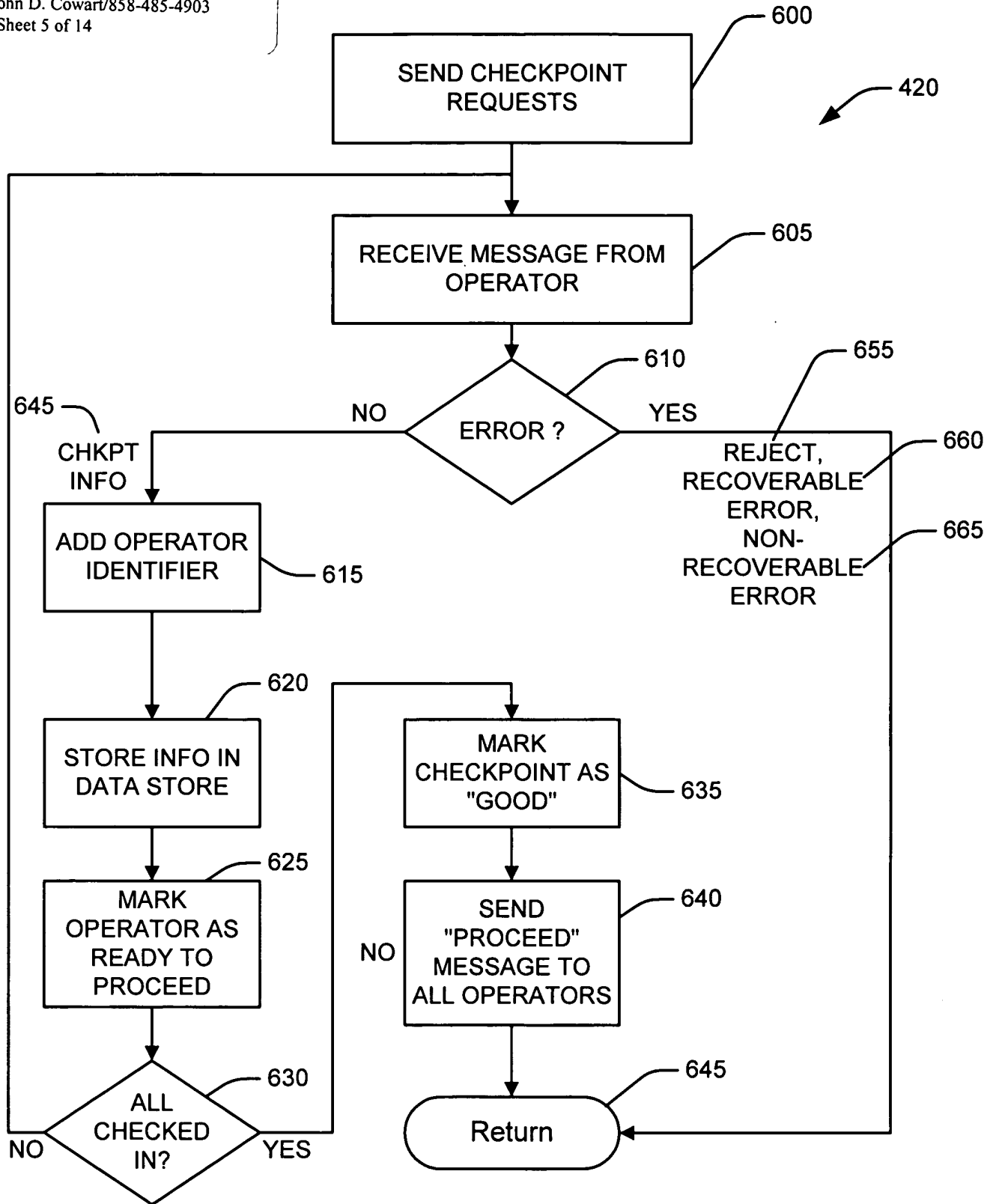


**FIG. 4**  
(CHECKPOINT  
PROCESSING)

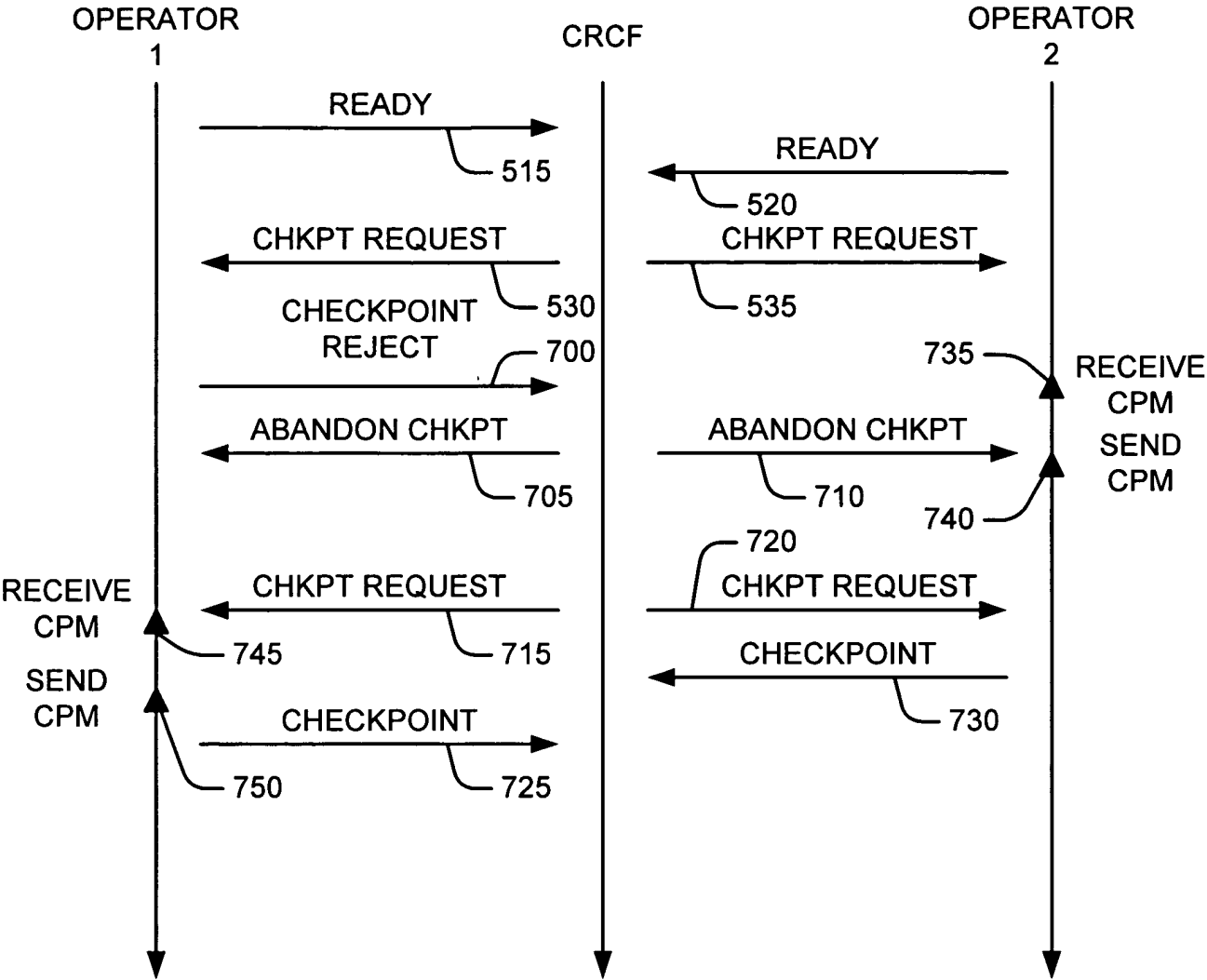
425



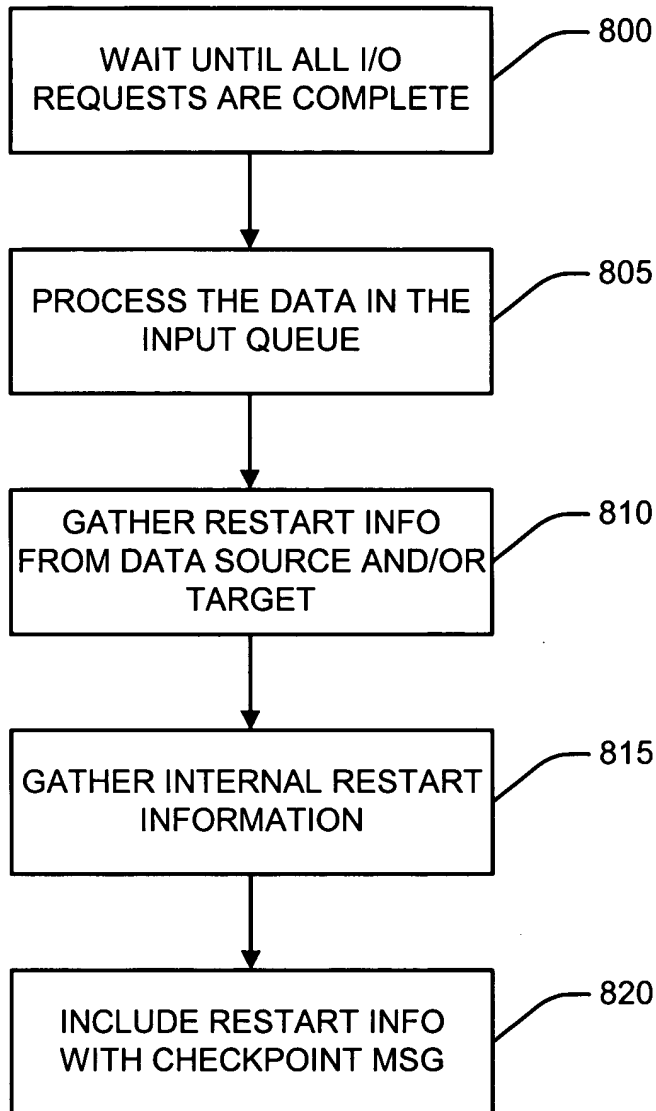
**FIG. 5**  
 (NORMAL  
 PROCESSING)



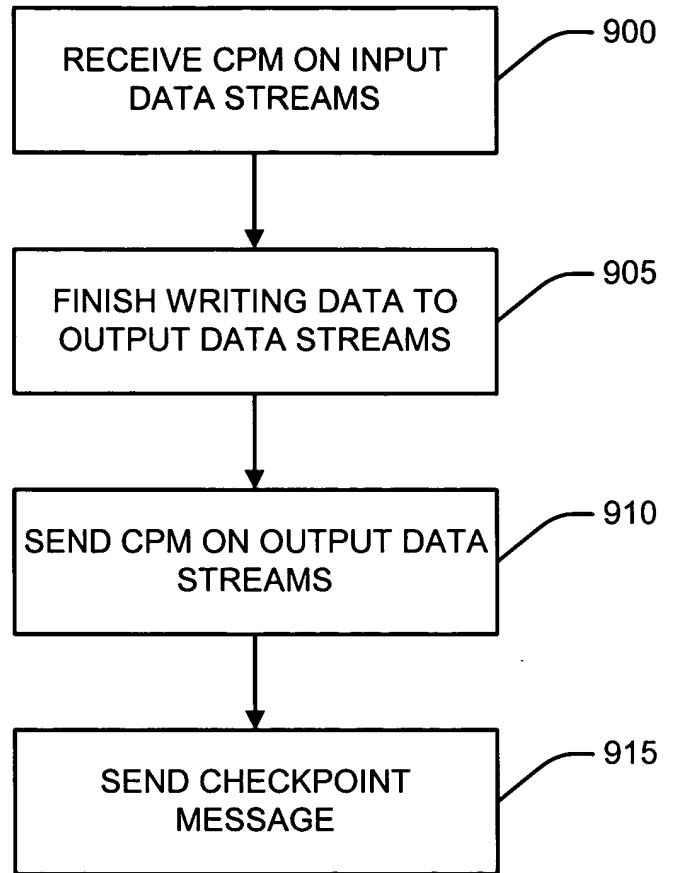
**FIG. 6**



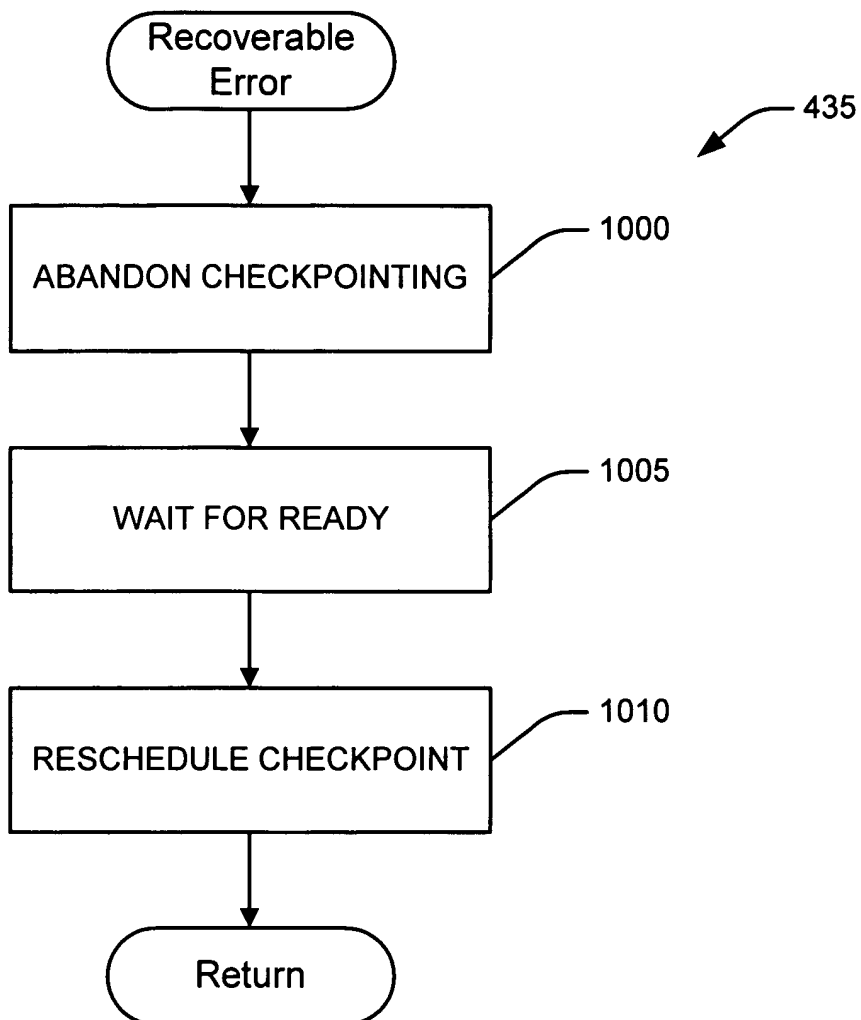
**FIG. 7**  
(CHECKPOINT  
REJECTED)



**FIG. 8**

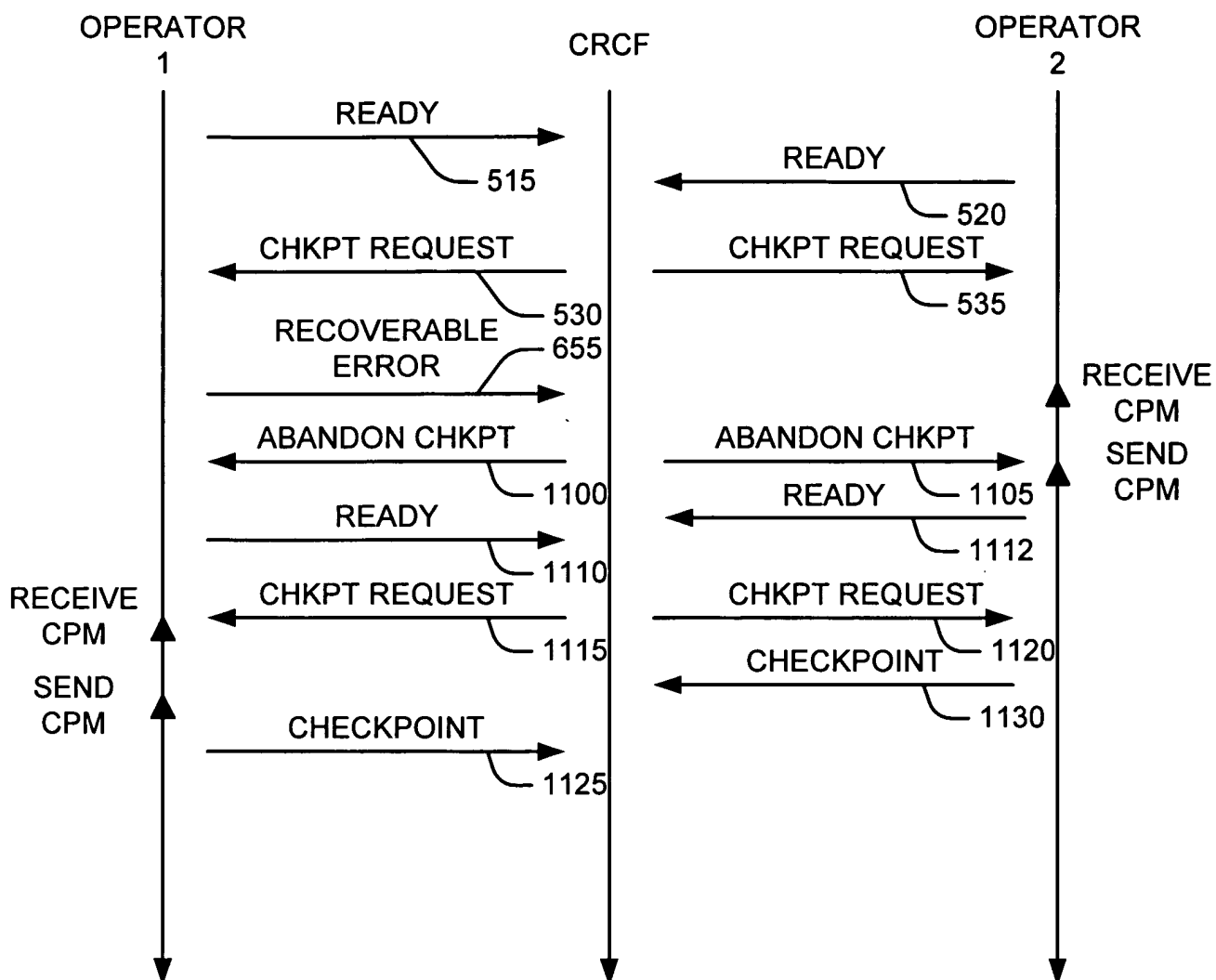


**FIG. 9**



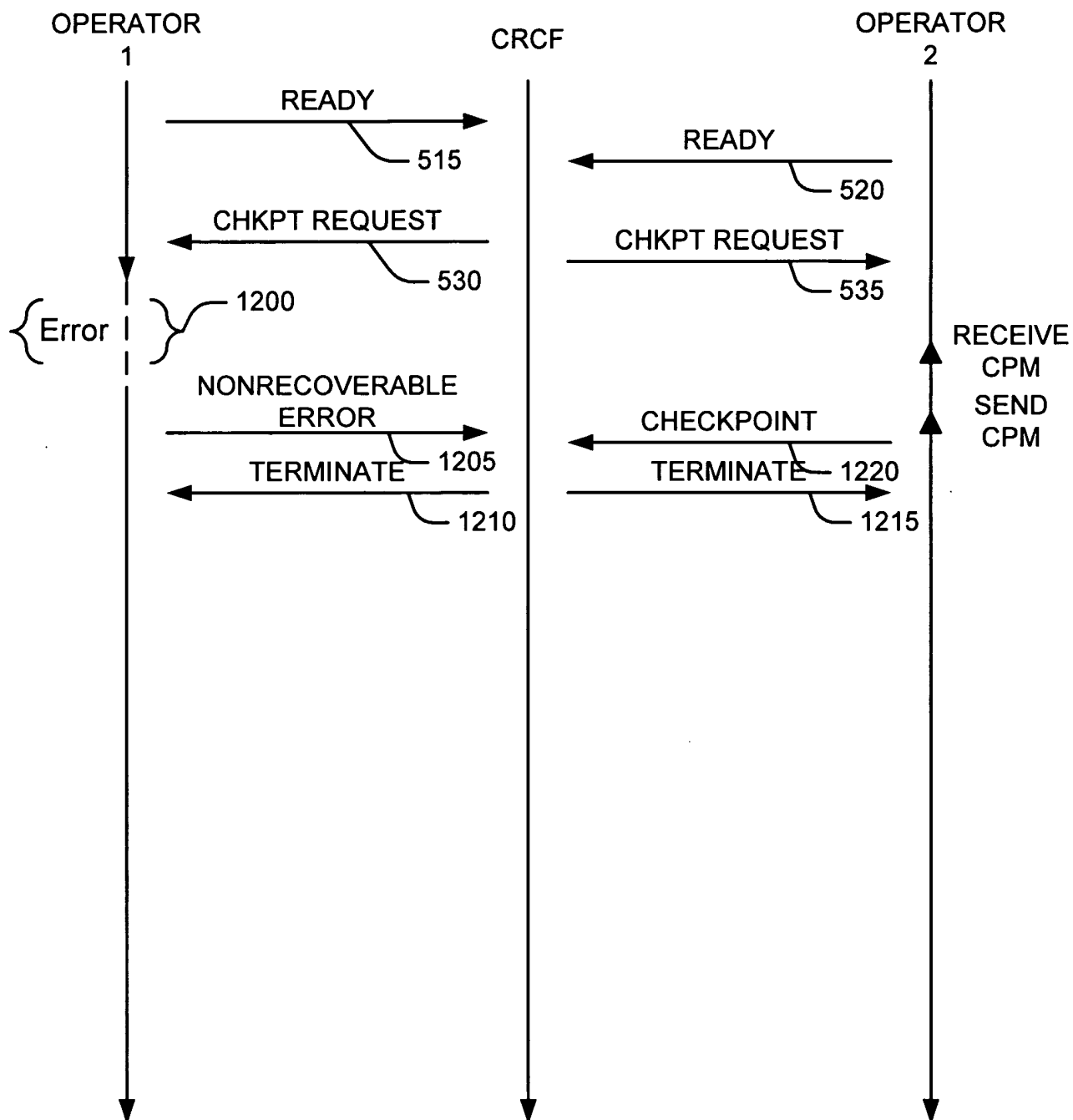
**FIG. 10**



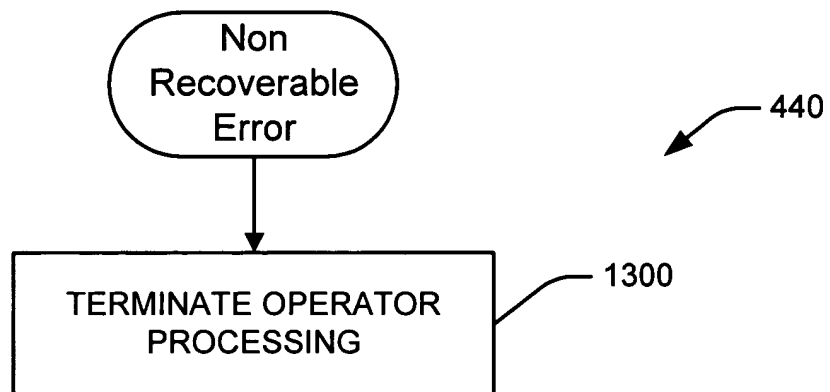


**FIG. 11**

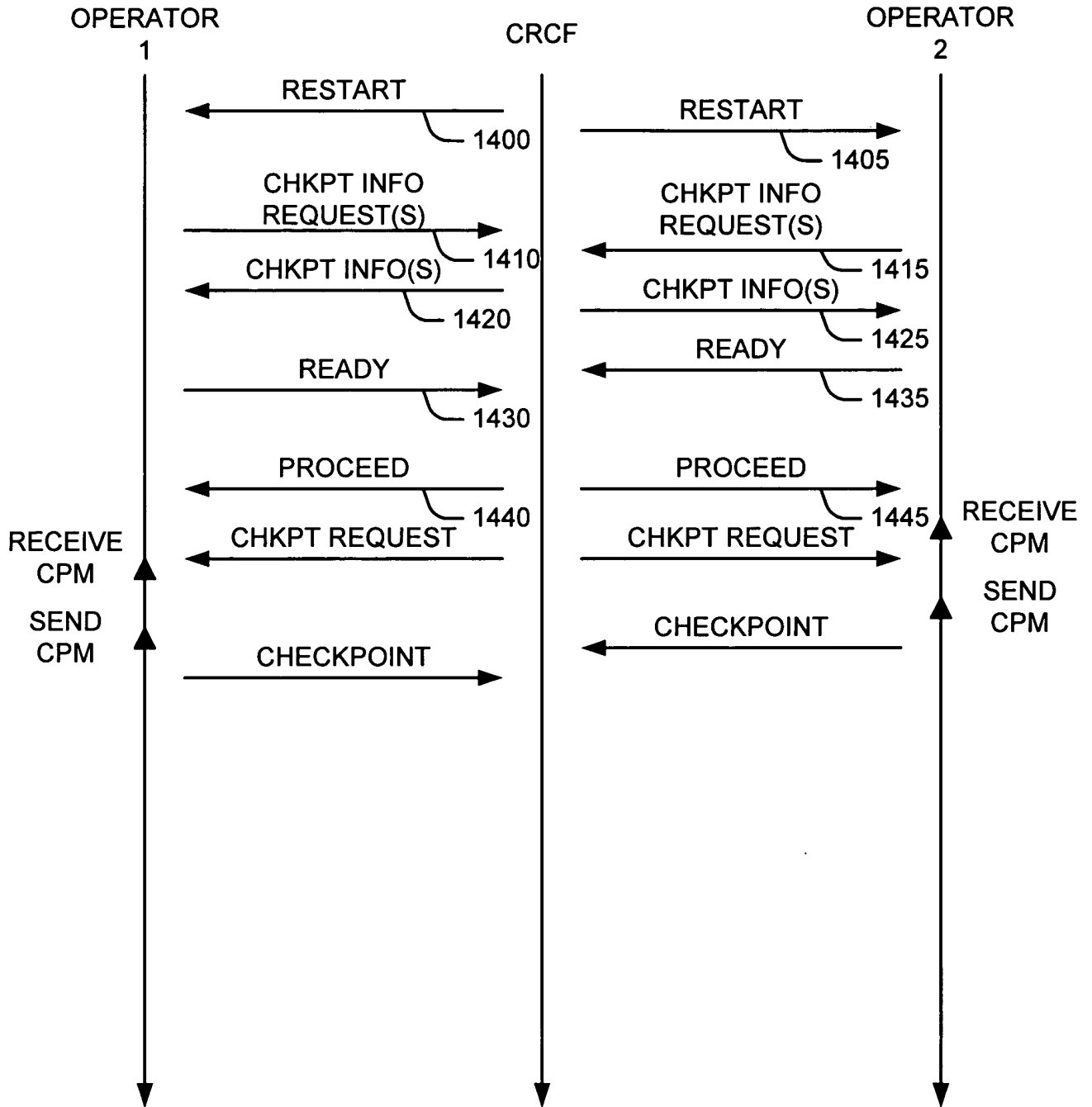
(RECOVERABLE  
ERROR)



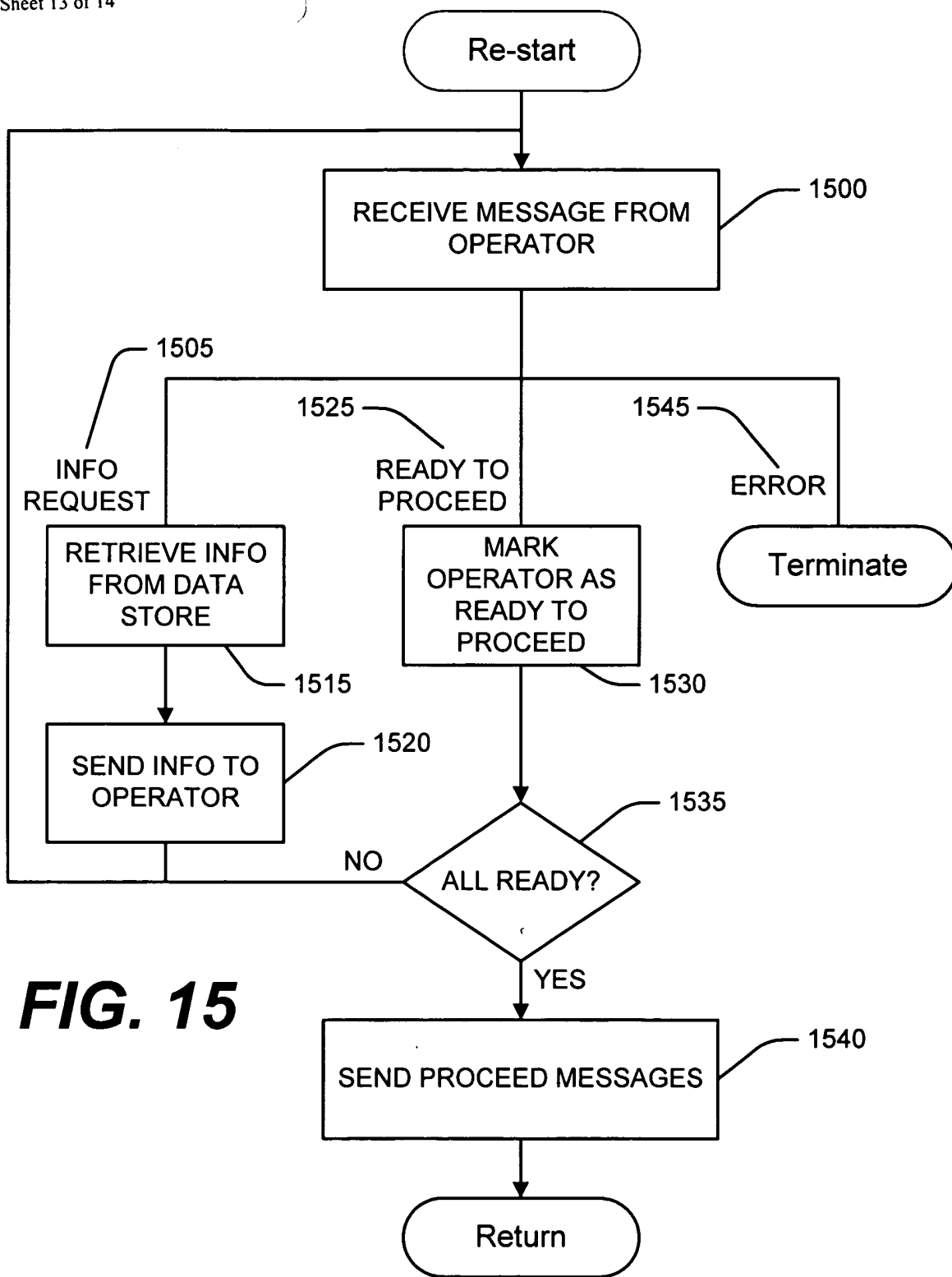
**FIG. 12**  
(NON-  
RECOVERABLE  
ERROR)



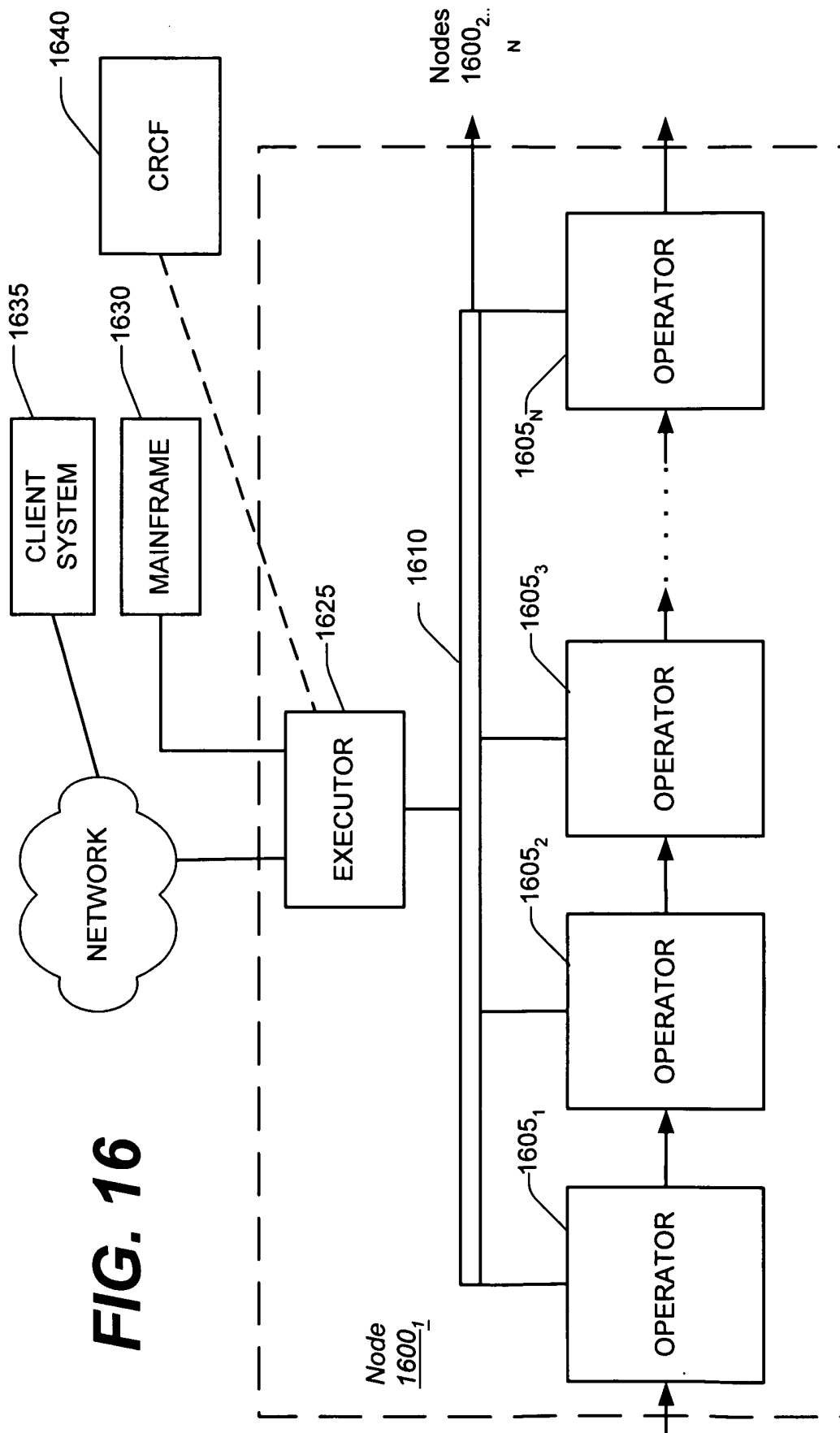
**FIG. 13**



**FIG. 14**  
(RE-START)



**FIG. 15**



**FIG. 16**